

# Nicotinamide

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

Revision date:

Version: 1.0

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Chemical type : Substance  
Substance name : Nicotinamide  
  
EC no : 202-713-4  
CAS No. : 98-92-0  
Product code : 256803  
IUPAC name : Pyridine-3-carboxamide  
Formula : C<sub>6</sub>H<sub>6</sub>N<sub>2</sub>O  
Synonyms : niacinamide, Vitamin PP, Vitamin B3

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.2.1. Relevant identified uses

Main use category : Pharmaceutical  
Function or use category : Raw material

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

Duchefa FARMA BV  
A. Hofmanweg 71  
2031BH Haarlem - Netherlands  
T +31(0)23-5319093 - F +31(0)23-5318027  
[info@duchefa.com](mailto:info@duchefa.com) - [www.duchefa.com](http://www.duchefa.com)

### 1.4. Emergency telephone number

Country	Official advisory body	Address	Emergency number
UNITED KINGDOM	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	0870 243 2241

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Eye Irrit. 2 H319

Full text of H-phrases: see section 16

#### Classification according to Directive 67/548/EEC or 1999/45/EC

Xi; R36/37/38

Full text of R-phrases: see section 16

### Adverse physicochemical, human health and environmental effects

No additional information available

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### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) :

Warning

Hazard statements (CLP) :

H319 - Causes serious eye irritation

Precautionary statements (CLP) :

P280 - Wear eye protection, face protection, protective clothing, protective gloves

P305 - IF IN EYES:

P351 - Rinse cautiously with water for several minutes

### 2.3. Other hazards

This substance/mixture does not meet the PBT/vPvB criteria of REACH, annex XIII.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Nicotinamide (Main constituent)	(CAS No.) 98-92-0 (EC no) 202-713-4	99 - 101	Xi; R36/37/38

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Nicotinamide (Main constituent)	(CAS No.) 98-92-0 (EC no) 202-713-4	99 - 101	Eye Irrit. 2, H319

Full text of R-, H- and EUH-phrases: see section 16

### 3.2. Mixtures

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation	: Remove victim to fresh air. Get medical advice and attention if you feel unwell.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact	: Rinse immediately with plenty of water. If eye irritation persists, take medical advice.
First-aid measures after ingestion	: Rinse mouth. Give water to drink. Never give anything by mouth to an unconscious person. Induce vomiting if person is conscious. If you feel unwell, seek medical advice.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries	: Irritation to eyes, skin and respiratory tract. Gastrointestinal complaints. Exposure may produce an allergic reaction.
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### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : All extinguishing agents can be used.

#### 5.2. Special hazards arising from the substance or mixture

Fire hazard : This product is flammable. On exposure to high temperature, may decompose, releasing toxic gases. Carbon dioxide. Nitrogen oxides. Carbon monoxide.

Explosion hazard : Large amounts: Risk of dust explosion.

#### 5.3. Advice for firefighters

Precautionary measures fire : Exercise caution when fighting any chemical fire.

Firefighting instructions : Avoid (reject) fire-fighting water to enter environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Emergency procedures : Ensure adequate air ventilation. Avoid raising dust.

##### 6.1.2. For emergency responders

Protective equipment : Wear proper protective equipment. Wear respiratory protection.

#### 6.2. Environmental precautions

Prevent product from entering drains.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Sweep up dry powder and dispose properly. To clean the floor and all objects contaminated by this material, use : Water. Detergent.

#### 6.4. Reference to other sections

No additional information available

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Handle in accordance with good industrial hygiene and safety procedures.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in dry, well-ventilated area. Keep container tightly closed.

#### 7.3. Specific end use(s)No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Exposure controls

Hand protection : chemical resistant PVC gloves (to European standard EN 374 or equivalent).

Eye protection : Safety glasses (to European standard EN 166 or equivalent).

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : Respiratory protection according to European standard EN 14387 or equivalent. Dust production: dust mask with filter type P2.

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### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Crystalline powder.
Molecular mass	: 122,1 g/mol
Colour	: White.
Odour	: Odourless.
Odour threshold	: No data available
pH	: 6 - 7,5
pH solution	: 5 % in H <sub>2</sub> O
Melting point	: 128 - 131 °C
Freezing point	: No data available
Boiling point	: 224 °C 20hPa
Flash point	: 182 °C
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosive limits	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1,4 g/cm <sup>3</sup>
Solubility	: Soluble in water. Soluble in ethanol. Water: 1000 g/l
Log Pow	: -0,38
Self ignition temperature	: 480 °C
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

#### 9.2. Other information

No additional information available

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No additional information available

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

None under normal conditions.

#### 10.4. Conditions to avoid

Moisture.

#### 10.5. Incompatible materials

Strong oxidizers. Strong acids.

#### 10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. Nitrogen oxides.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

##### Nicotinamide (98-92-0)

LD50 oral rat 3540 mg/kg

LD50 dermal rabbit > 2000 mg/kg

Skin corrosion/irritation : Not classified  
pH: 6 - 7,5

Serious eye damage/irritation : Causes serious eye irritation.  
pH: 6 - 7,5

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

### SECTION 12: Ecological information

#### 12.1. Toxicity

##### Nicotinamide (98-92-0)

LC50 fish 1 > 1000 mg/l 96 h, Poecilla reticulata

EC50 Daphnia 1 > 1000 mg/l

#### 12.2. Persistence and degradability

##### Nicotinamide (98-92-0)

Biodegradation 96 %

#### 12.3. Bioaccumulative potential

##### Nicotinamide (98-92-0)

Log Pow -0,38

#### 12.4. Mobility in soil

No additional information available

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### 12.5. Results of PBT and vPvB assessment

#### Nicotinamide (98-92-0)

This substance/mixture does not meet the PBT/vPvB criteria of REACH, annex XIII.

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Avoid release to the environment.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

## SECTION 14: Transport information

No dangerous good in sense of transport regulations.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

No additional information available

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Full text of R-, H- and EUH-phrases::		
	Eye Irrit. 2	Serious eye damage/eye irritation Category 2
	H319	Causes serious eye irritation
	R36/37/38	Irritating to eyes, respiratory system and skin.
	Xi	Irritant

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*